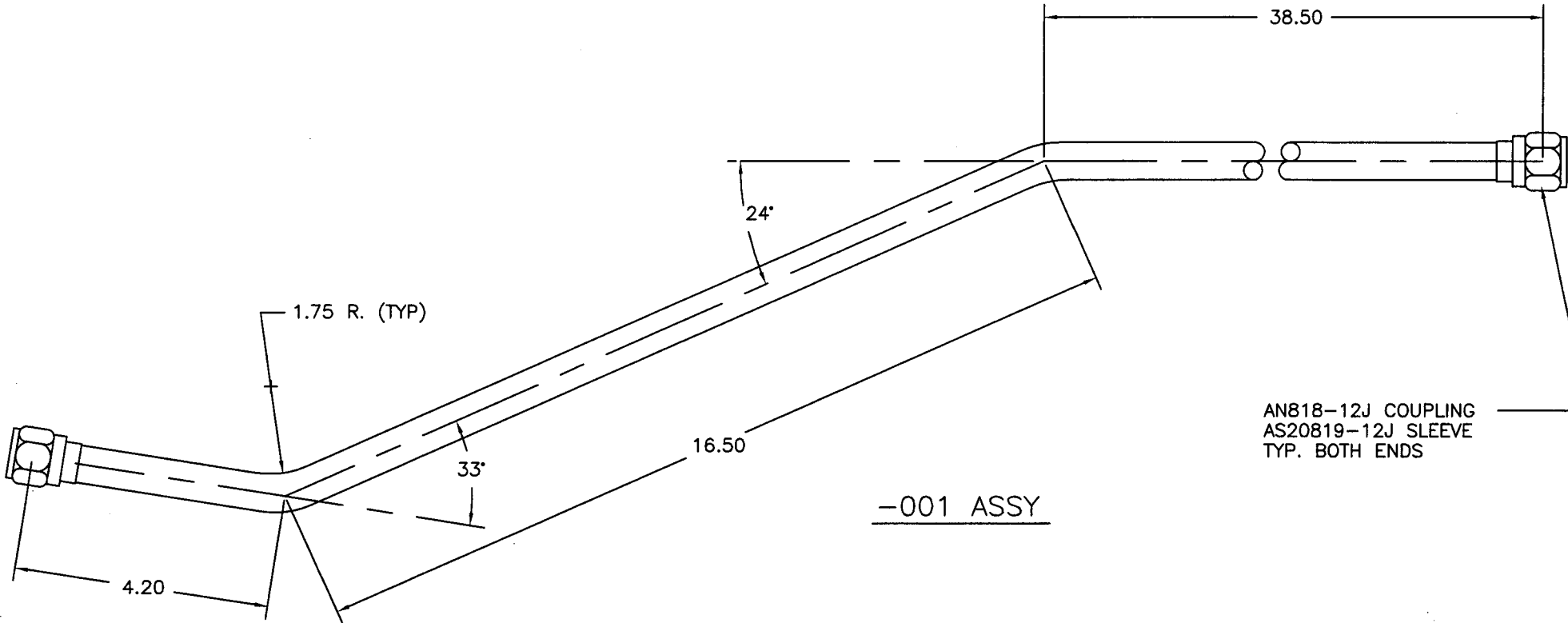



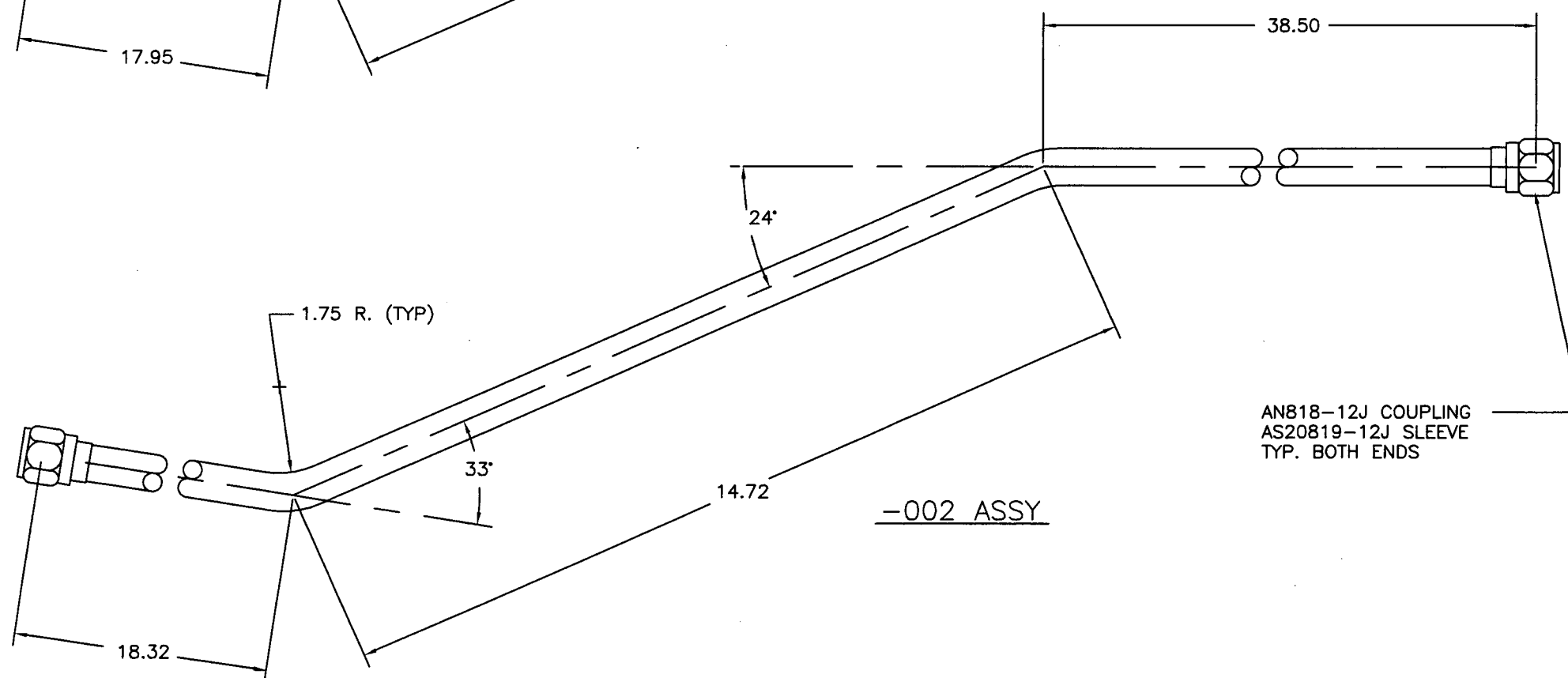
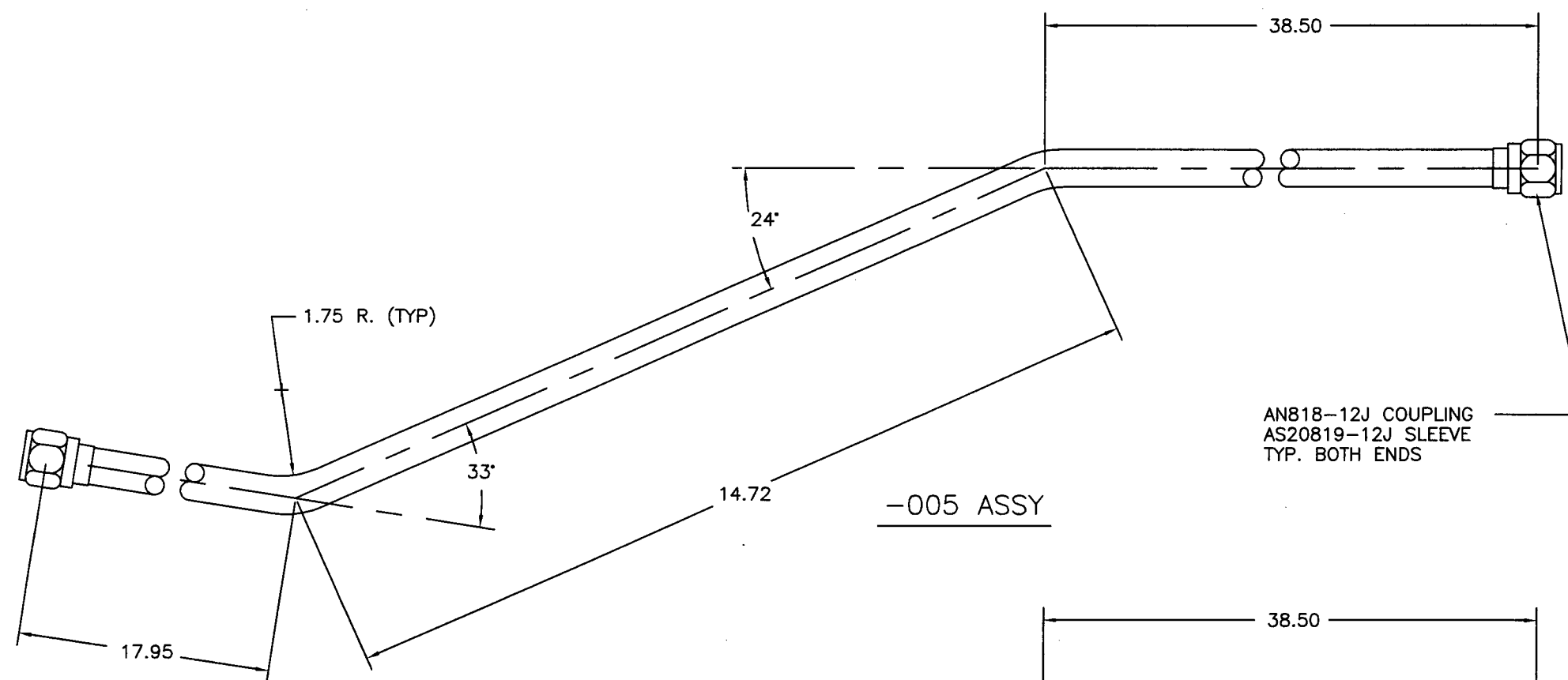
REVISION				APPROVED	DATE
LETTER	DFTSMAN	DATE	DESCRIPTION		
A	TAH	5/7/87	FINISHED NOTE 3 CORRECTED MINOR DISCREPANCES INCORPORATED E.O. A-1		
B	TAH	12/17/90	ADDED -002 & -005 TUBE ASSY TO L/M & F/D ADDED SHT 2.		
C	HJK	6/22/98	ADDED -009 & -010 TUBE ASSY TO L/M & F/D ADDED SHT 3; ADDED NOTE 4.		



	2	2	2	2	2	AN818-12J	COUPLING					
	2	2	2	2	2	MS20819-12J	SLEEVE					
	1					-012	TUBE	.75 O.D.x.035	W.Tx72.; 304 ST STL, MIL-T-6845			
		1				-011	TUBE	.75 O.D.x.035	W.Tx72.; 304 ST STL, MIL-T-6845			
			1			-007	TUBE	.75 O.D.x.035	W.Tx72.; 304 ST STL, MIL-T-6845			
				1		-004	TUBE	.75 O.D.x.035	W.Tx72.; 304 ST STL, MIL-T-6845			
					1	-003	TUBE	.75 O.D.x.035	W.Tx61.0;304 ST STL, MIL-T-6845			
						-010	ASSY					
						-009	ASSY					
						-005	ASSY					
						-002	ASSY					
						-001	ASSY					
				-005	-002	-001	PART NO.	NAME	STOCK SIZE	MATERIAL	MATL.SPEC	ZONE
NO. REQ'D PER ASSY							LIST OF MATERIAL					
<div>PROPRIETARY RIGHTS NOTICE</div> <div>THESE DATA ARE PROPRIETARY TO ERA AVIATION, INC. DISCLOSURE, REPRODUCTION, OR USE OF THESE DATA FOR ANY PURPOSE IS FORBIDDEN WITHOUT WRITTEN AUTHORIZATION FROM ERA AVIATION, INC. THE FOREGOING DOES NOT APPLY TO VENDOR PARTS.</div>							UNLESS OTHERWISE SPECIFIED X. \pm .1 XX. \pm .03 XXX. \pm .010 ANGLES \pm .1/2"	DRFTSMN	J.A. DUGELBY	2/18/87	TITLE	
								CHECK			TUBE ASSY	
								STRESS				
								PROJ. ENGR.			DWG. SIZE C	
							HEAT TREAT	 Era Aviation, Inc.		SCALE 1:2		
										DWG. NO. 41228-303-002 SHT 1 OF 3		
DASH NO. 001 2 41228-303-001							REV. C					
NEXT ASSEMBLY												

4. TO FABRICATE -011 & -012 TUBES REFERENCE BEND DATA TABLES LOCATED ON SHEET 3.
3. PRESSURE TEST TO 5000 PSI PER AMS 2615C.
2. BEND TUBE IN ACCORDANCE WITH MS33611.
1. FLARE TUBE IN ACCORDANCE WITH MS33584.

NOTES:



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 Era Aviation, Inc.

TITLE

TUBE ASSY

SIZE

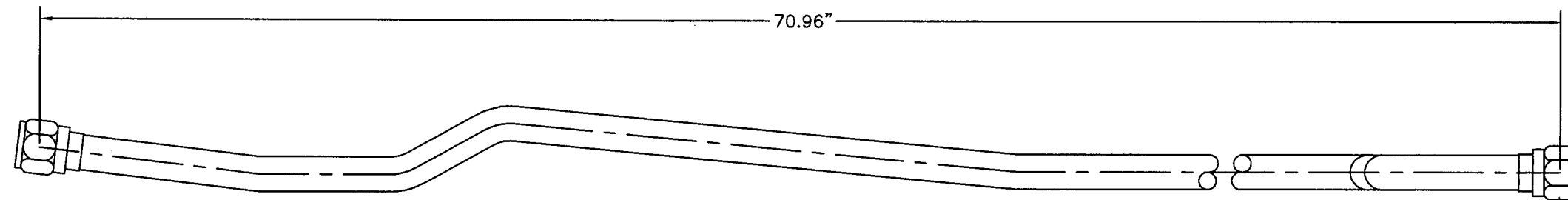
C

DWG. NO.

41228-303-002
SHT 2 OF 3

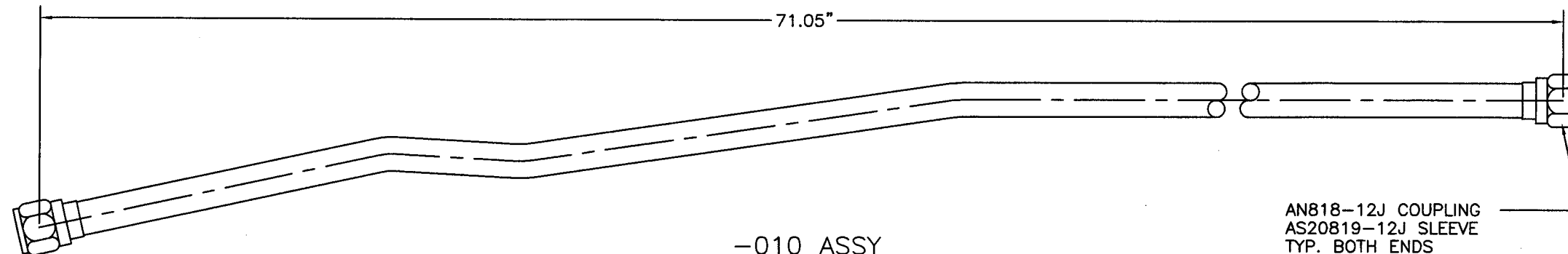
REV.

C



-009 ASSY
USE -011 BEND DATA

AN818-12J COUPLING
AS20819-12J SLEEVE
TYP. BOTH ENDS



-010 ASSY
USE -012 BEND DATA

AN818-12J COUPLING
AS20819-12J SLEEVE
TYP. BOTH ENDS

-011 TUBE			
STEP	DBB	POB	DOB
1	6.36	0.0	6.7
2	23.56	-148.1	5.6
3	21.77	-172.7	16.8
4	3.70	169.8	18.2
5	7.35	90.5	4.9
6	6.41		

BEND RADIUS IS 2.25".
END TO END TUBE LENGTH IS 70.96".

-012 TUBE			
STEP	DBB	POB	DOB
1	29.29	0.0	8.1
2	21.66	-174.5	11.3
3	4.43	-166.9	15.8
4	14.61		

BEND RADIUS IS 2.25".
END TO END TUBE LENGTH IS 71.05".

(STEP) = IS THE ORDER OF OPERATION.
(DBB) = IS THE STRAIGHT DISTANCE BETWEEN BENDS.
(POB) = IS (ROTATION) MEASURED FROM PLANE OF FIRST BEND.
(DOB) = IS THE ACTUAL MEASUREMENT OF BENT TUBE.

BEND DATA TABLE

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Era Aviation, Inc.

TITLE	SIZE	DWG. NO.	REV.
TUBE ASSY	C	41228-303-002 SHT 3 OF 3	C